

6. (Amended) A method for processing data for processing a block formed by two-dimensional data in m rows and m columns, characterized in that it comprises the steps of:

distributed the data of the block to n memories and storing them in the different memories by simultaneously writing the same in a first order of scan such that n items of data (n is an integer equal to or greater than 2, and n is a divisor of m which is equal to or greater than 2) consecutive in the first order of scan which is either of the order of raster scan and the order of the zigzag scan are stored in the n different memories and such that n items of data consecutive in a second order of scan which is the order of the raster scan and the order of zigzag scan are stored in the n different memories; and reading the stored data of a block from the different memories in the second order of scan.

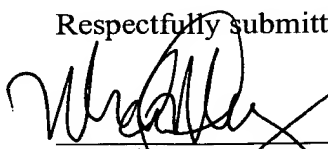
#### REMARKS

The foregoing amendments to the claims are made to correct improper multiple dependency as it was presented in the attachment to the International Preliminary Examination Report. These amendments do not affect the scope of the invention claimed and is supported by the originally filed claims and the specification.

No new matter has been added, and entry is respectfully requested.

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Respectfully submitted,

  
Michael M. Murray  
Registration No. 32,537

MORGAN & FINNEGAN, L.L.P.  
345 Park Avenue  
New York, New York 10154  
(212) 758-4800  
(212) 751-6849

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